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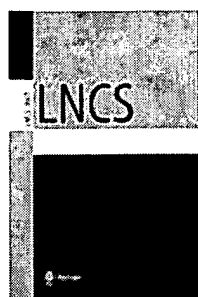
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Implementing a Reliable Digital Object Archive

Book Series	Lecture Notes in Computer Science
Publisher	Springer Berlin / Heidelberg
ISSN	0302-9743 (Print) 1611-3349 (Online
Volume	Volume 1923/2000
Book	Research and Advanced Technology for Digital Libraries: 4th European Conference, ECDL 2000, Lisbon, Portugal, September 2000. Proceedings
Copyright	2000
Page	128
Subject Collection	Computer Science
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Brian Cooper[1], Arturo Crespo[1], Hector Garcia-Molina[1]

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Abstract

An Archival Repository reliably stores digital objects for long periods of time (decades or centuries). The archival nature of the system requires new techniques for storing, indexing, and replicating digital objects. In this paper we discuss the specialized indexing needs of a write-once archive. We also present a reliability algorithm for effectively replicating sets of related objects. We describe a data import utility for archival repositories. Finally, we discuss and evaluate a prototype repository we have built, the Stanford Archival Vault (SAV).

File System Support for Delta Compression (2000) (Make Corrections) (25 citations)
Joshua P. MacDonald

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    author = "J. MacDonald",
    title = "File system support for delta compression",
    text = "Josh MacDonald. File system support for delta compression. Masters thesis.
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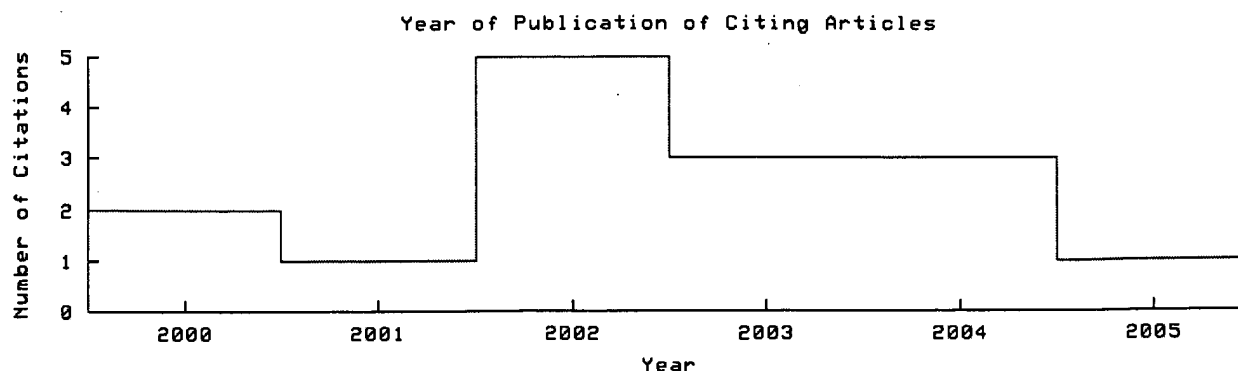
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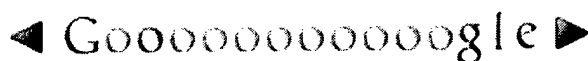
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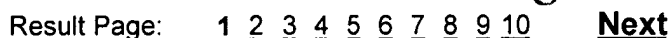
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